

Method and Apparatus for Integrating Virtual Environments
with Functional Simulations Via High Level Architecture

Abstract of the Disclosure:

A method of simulating the behavior of a user-interactive environment, the method comprising: (a) running a virtual environment (VE) simulation application 5 that (1) graphically depicts a VE, (2) receives input from a user that corresponds to a user interaction with the VE, and (3) provides graphical output to the user that corresponds to a condition of the VE; (b) running a functional simulation application that determines the 10 condition for the VE at least in part based upon the user input; (c) communicating the user input received by the VE simulation application to the functional simulation application via a high level architecture (HLA) protocol; and (d) communicating the condition determined by the 15 functional simulation application to the VE simulation application via the HLA protocol.